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I hereby certify that this correspondence is being transmitted to the Commissioner for Patents on the date set forth below.

Date of Signature and Deposit: April 25, 2008

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Tenneille E. Ludwig

Date: April 25, 2008

James A. Thomson

Serial No.: 10/811,423

Group Art Unit: 1651

Filed: March 26, 2004

Examiner: Lora Elizabeth Barnhart

Title: PHYSIOCHEMICAL CULTURE CONDITIONS File No.: 960296.00050

FOR EMBRYONIC STEM CELLS

Confirmation No.: 2623

RESPONSE

Mail Stop Amendment Commissioner for Patents P O Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In response to a non-final Office Action mailed December 20, 2007, in the file of the above-identified application, please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 4 of this paper.